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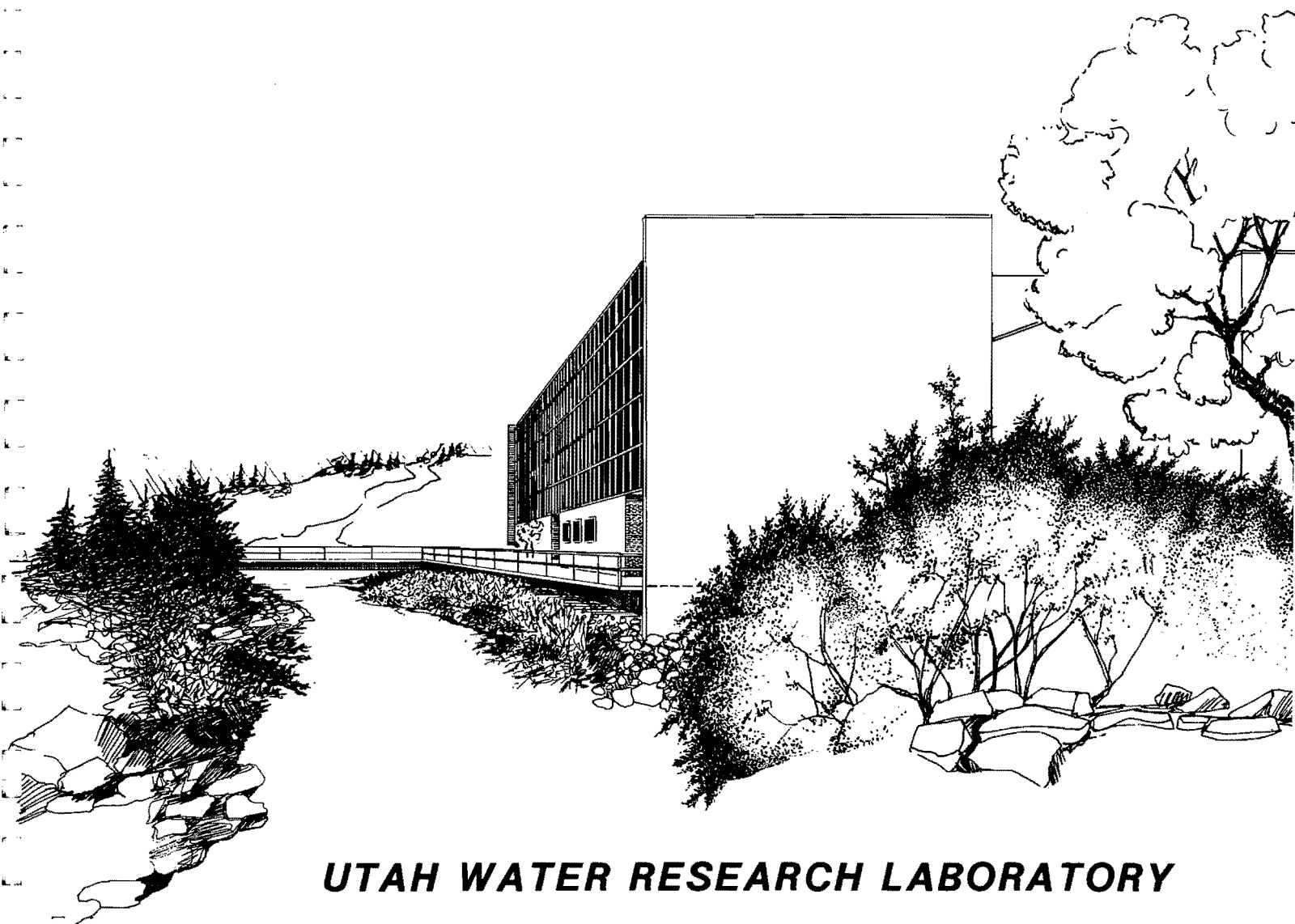
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**UTAH WATER RESEARCH LABORATORY**

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**UTAH WATER RESEARCH LABORATORY**  
**PUBLICATIONS LISTING**

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**June 1996**

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# *Environmental Division*

## Journal Article

J.S. Ginn, W.J. Doucette, and R.C. Sims (1994). Chemical mass balance approach for estimating fate and transport of polycyclic aromatic metabolites in the subsurface environment. *Polycyclic Compounds*, 5:225-234.

## Theses

J.L. Emory (1992). *Investigation of nitrogen removal in the root zone process using phragmites australis*. Master's thesis. Department of Civil and Environmental Engineering, Utah State University, Logan, UT.

V.B. Epuri (In preparation). *Vegetation enhanced biodegradation of hexachlorobiphenyl and benzo(a)pyrene*. Master's thesis. Department of Civil and Environmental Engineering, Utah State University, Logan, UT.

R. Miles (1993). *A simple and inexpensive method for measuring biodegradation rates in soil*. M.S. Thesis, Civil and Environmental Engineering, Utah State University, Logan, UT.

M.F. Roginske (1995). *Nutrient and chemical oxygen demand removal in the vadose zone following the land application of cheese whey*. Master's thesis. Department of Civil and Environmental Engineering, Utah State University, Logan, UT.

H.C. Zhu (1994). *Pollutant removal efficiencies and oxygen transfer rates in a pilot-scale, constructed reed bed receiving cheese-processing wastewater*. M.S. Thesis, Civil and Environmental Engineering, Utah State University, Logan, UT.

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- S.-T. Chen, D.K. Stevens, and G. Kang (1995). Pentachlorophenol (PCP) and crystal violet degradation using heme and peroxide-I. Proof of concept and screening tests. *In preparation*.
- S.-T. Chen, D.K. Stevens, and G. Kang (1995). Pentachlorophenol (PCP) degradation in soil using heme and peroxide kinetic studies. *In preparation*.
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- A. Cramer, R.C. Sims, and J.E. McLean (Submitted). Oxidation of pentachlorophenol on manganese oxide surfaces. *Environmental Toxicology and Chemistry*.
- R.R. Dupont (1993). Fundamentals of bioventing applied to fuel contaminated sites. *Environmental Progress* 12 (1), 45-53.
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- M.J. McFarland, A. Ramaprasad, and I. Muraka (1994). Physicochemical limitations to the biodegradation of PCP in soil. *Hazardous Wastes and Hazardous Materials*, 11 (4).
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- P.H. Su (1993). *Sorption studies of atrazine using continuous stirred-flow and batch techniques*. Master's thesis. Department of Civil and Environmental Engineering, Utah State University, Logan, UT.
- B.C. Welch (1995). *The optimization of degradation of pentachlorophenol (PCP) in soil using heme and hydrogen peroxide*. Master's thesis. Department of Civil and Environmental Engineering, Utah State University, Logan, UT.
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- K. Deshmuck and M.J. McFarland (1993). Transformation of trifluralin in soil. In *Proceedings of 86th Annual Meeting and Exhibition of the Air and Waste Management Association*. Denver, CO.
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- C.J. Hurst, R.C. Sims, J.L. Sims, D.L. Sorensen, and J.E. McLean (1995). *Bioremediation in prepared bed bioreactors: Effect of soil gas oxygen concentration*. Presented at 10th Annual Hazardous Waste Research Conference, Great Plains-Rocky Mountain Hazardous Substance Research Center, U.S. Environmental Protection Agency, Manhattan, KS, May.
- M.J. McFarland and D. Wray (1993). Remediation of alachlor impacted soil using the white rot fungus *Phanerochaete chrysosporium* in a solar heated chamber. In *Proceedings of New Directions in Pesticide Research, Development, Management, and Policy*. Richmond, VA.
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- A. Ramaprasad and M.J. McFarland (1993). Biotransformation of pentachlorophenol in soil. In *Proceedings of Emerging Technologies in Hazardous Waste Management*. Atlanta, GA.
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- C.K. Baldwin and B.L. Hall (1995). *Oxygen and hydrocarbon sensor testing procedure*. Utah Water Research Laboratory, Utah State University, Logan, UT.
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- R.R. Dupont (1994-1995). *Surface emission study in support of the investigation of Building 280 fuel storage lot for application of low intensity bioreclamation*. Final report submitted to Battelle Memorial Institute, Columbus, OH.
- R.R. Dupont (1994). *Monthly sampling reports for field bioventing for soil treatment of a fire training pit at FE Warren Air Force Base, Cheyenne, WY*. Submitted to Battelle Memorial Institute, Columbus, OH.
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- R.R. Dupont and D.L. Sorensen (1994-1995). *Monthly project status reports - natural attenuation of hydrocarbon plumes in northern climates*. Report to U.S. Air Force Center for Environmental Excellence, Brooks Air Force Base, TX.
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- T. Modde and T.B. Hardy (1992). Influence of different microhabitat criteria on salmonid habitat simulation. *Rivers* 3 (1), 37-44.
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